

STEWART

TRADE MARK

WARM-AIR FURNACES

The Sign of Service
Since 1832

Fuller & Warren Company
TROY, NEW YORK

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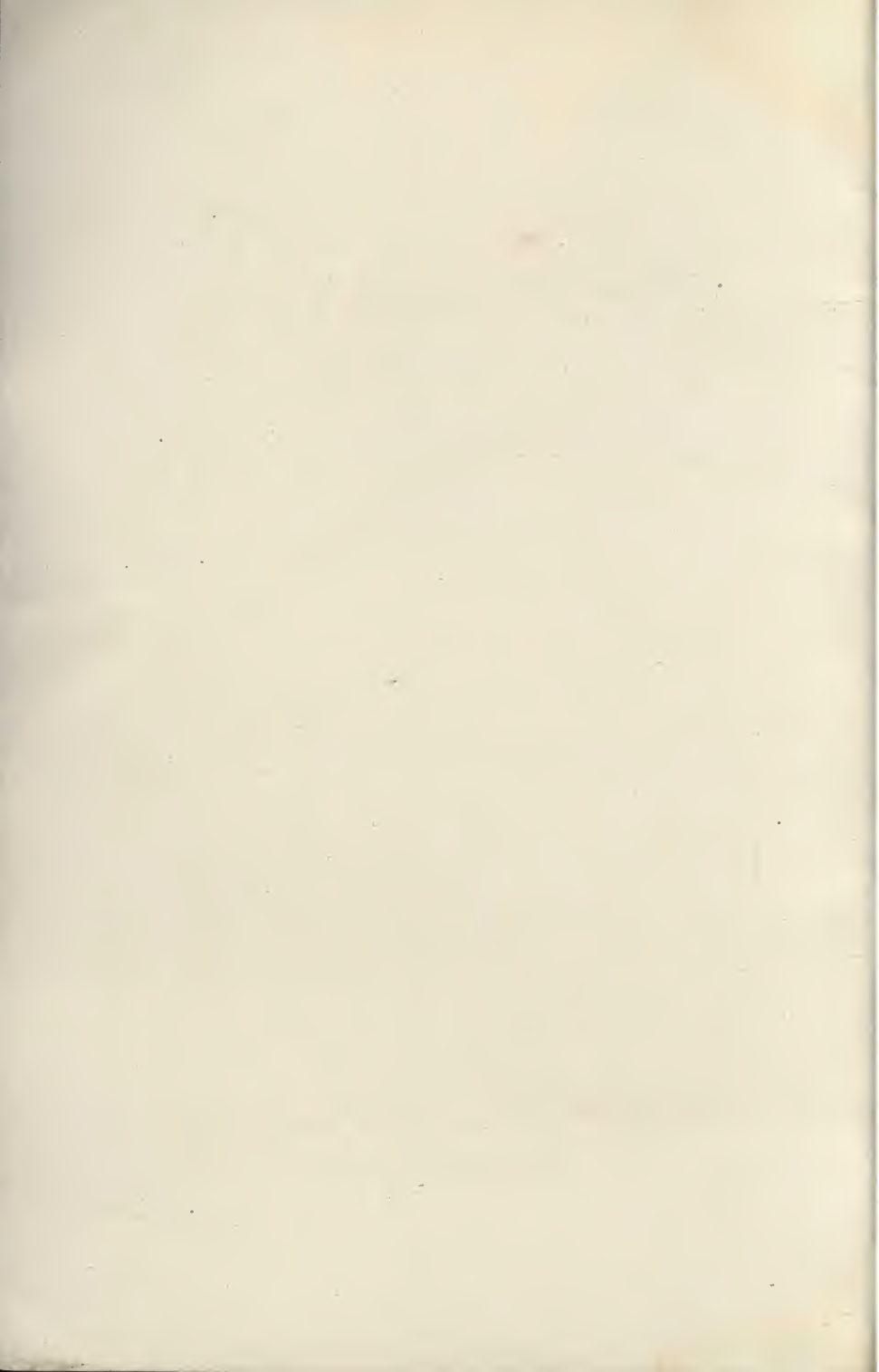
From the collection of:

Alan O'Bright

"STEWART"
TRADE MARK
WARM AIR FURNACES

Catalogue Number Five

Fuller & Warren Company
TROY, NEW YORK



“STEWART”

WARM AIR FURNACES

...INTRODUCTION...

STEWART Furnaces are built to give service and satisfaction. Only the best grade of material enters into their construction. And they are made by Master Craftsmen.

The STEWART line, as shown on the following pages, presents an excellent variety to choose from—a style, size and price to meet every need and requirement.

Ninety two years of successful Furnace and Stove-Making experience is incorporated in STEWART Warm Air Furnaces. You can buy one with absolute assurance of complete and lasting satisfaction.

FULLER & WARREN COMPANY

Makers Since 1832

TROY, N. Y.

STEWART FURNACES

The "A" Series Furnace illustrated on opposite page is designed to meet the need of extra hard service. If your requirements call for this type of heater, whether for Church, School or Home, you will make no mistake in selecting the "A" Series; as it is constructed entirely with this thought in mind. No expense has been spared to make it the BEST heater on the market. This heater can be supplied in Brick Set Form if desired.

The "B" & "C" Series are the popular types of Warm Air Furnaces, and while somewhat cheaper than the "A" Series are built extra heavy, and will stand up under hard usage. These Furnaces have the STEWART straight firepot, and extra weight is added to both the firepot and grate to insure long life. "B" Series has steel radiator. "C" Series has cast radiator.

The "O" Series is designed for low cellars, and has extra large feed door for wood burning localities.

The Circulating Room Heater is designed for places where there is no cellar or basement.

The Onepipe Furnace is described in detail in another place in this booklet.



STEWART FURNACE

"A" Series

Portable Form			Triangular Grate		
Extra Heavy			All Cast Iron		
No.	Diam. of Firepot	Diam. of Casing	Height of Castings	Diam. of Smoke Pipe	Heat Pipe *Cap. Sq. In.
A 24-48	24 in.	48 in.	56¾ in.	8 in.	573
A 26-53	26 in.	53 in.	58¼ in.	9 in.	677
A 28-58	28 in.	58 in.	59½ in.	10 in.	786
300	30 in.	65 in.	65½ in.	10 in.	1003
850	35 in.	65 in.	65½ in.	10 in.	1200

THIS FURNACE is all cast iron, very heavy and durable, and will stand great abuse. No sheet metal enters into its construction.

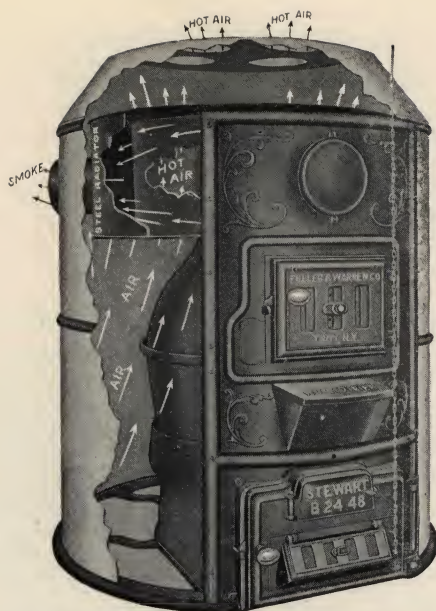
THE FIREPOT is extra heavy, with perpendicular sides which increase the draft, prevent the accumulation of ashes, and give a large grate area.

THE TOP PIPE AND DOME are each cast in one piece, and have an unusually long fire travel, thus furnishing a large area of effective heating surface.

DUST AND GAS proof, as all joints are horizontal and cup shape.

*If only one heat pipe is used, add 20 per cent. to capacity.

For heights of Furnaces cased with various styles of tops, see pages 14 and 15.



STEWART FURNACE

"B" Series

Portable Form

Steel Radiator

Triangular Grate

For Hard or Soft Coal

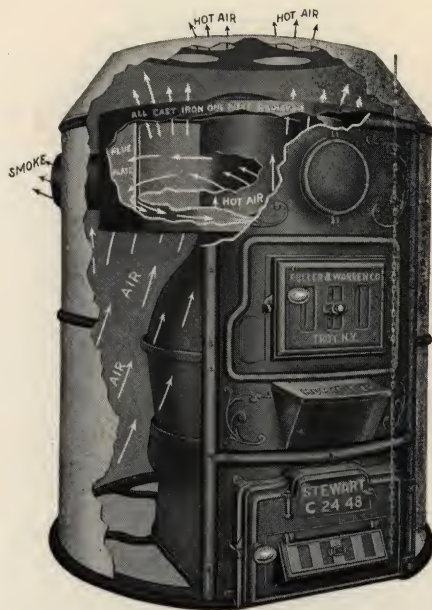
No.	Diam. of Firepot	Diam. of Casing	Height of Castings	Diam. of Smoke Pipe	Heat Pipe *Cap. Sq. In.
B 18-32	18 in.	32 in.	46 $\frac{5}{8}$ in.	7 in.	256
B 20-36	20 in.	36 in.	50 $\frac{1}{4}$ in.	7 in.	347
B 22-42	22 in.	42 in.	51 $\frac{7}{8}$ in.	8 in.	450
B 24-48	24 in.	48 in.	54 $\frac{1}{4}$ in.	8 in.	547
B 26-53	26 in.	53 in.	56 $\frac{1}{4}$ in.	8 in.	651
B 28-58	28 in.	58 in.	58 $\frac{3}{4}$ in.	10 in.	748
B 31-60	31 in.	60 in.	59 $\frac{3}{8}$ in.	10 in.	925
B 35-65	35 in.	65 in.	61 in.	10 in.	1100

In the "B" Series Furnace, the radiator is made of heavy steel plate inbedded in deep flanges on the cast top and bottom plates; thoroughly packed with asbestos cement, thus insuring perfectly gas tight joints. The rods which hold the radiator, together are entirely outside the flue space. These radiators may be easily changed from the "divided flue" to the "full circuit." This series is especially popular as it is furnished in eight different sizes, and is a very desirable and durable heater.

*If only one heat pipe is used, add 20 per cent. to capacity.

For heights of Furnaces cased with various styles of tops, see pages 14 and 15.

For Natural Gas Attachment, see page 12.



STEWART FURNACE

"C" Series

Portable Form

Cast Radiator

Triangular Grate

For Hard or Soft Coal

No.	Diam. of Firepot	Diam. of Casing	Height of Castings	Diam. of Smoke Pipe	Heat Pipe *Cap. Sq. In.
C 18-32	18 in.	32 in.	45 in.	7 in.	256
C 20-36	20 in.	36 in.	47½ in.	7 in.	347
C 22-42	22 in.	42 in.	49½ in.	8 in.	450
C 24-48	24 in.	48 in.	53 in.	8 in.	547
C 26-53	26 in.	53 in.	54 in.	9 in.	651
C 28-58	28 in.	58 in.	56 in.	10 in.	748
C 31-60	31 in.	60 in.	56¾ in.	10 in.	925

The only difference between this furnace and the "B" Series, is that the Radiator is all cast iron, and is made in **one jointless piece**, preventing any possible leakage and insuring unquestionable durability. This Radiator can also be arranged with full or divided flue.

In all Stewart Furnaces, parts coming in contact with extreme heat are made extra heavy, reducing to a minimum, the liability of burning out.

*If only one heat pipe is used, add 20 per cent. to capacity.

For heights of Furnaces cased with various styles of tops, see pages 14 and 15.

For Natural Gas Attachment, see page 12.



STEWART FURNACE

"O" Series

Portable Form

Triangular Grate

For Coal or Wood

Steel Dome

Wood Plate

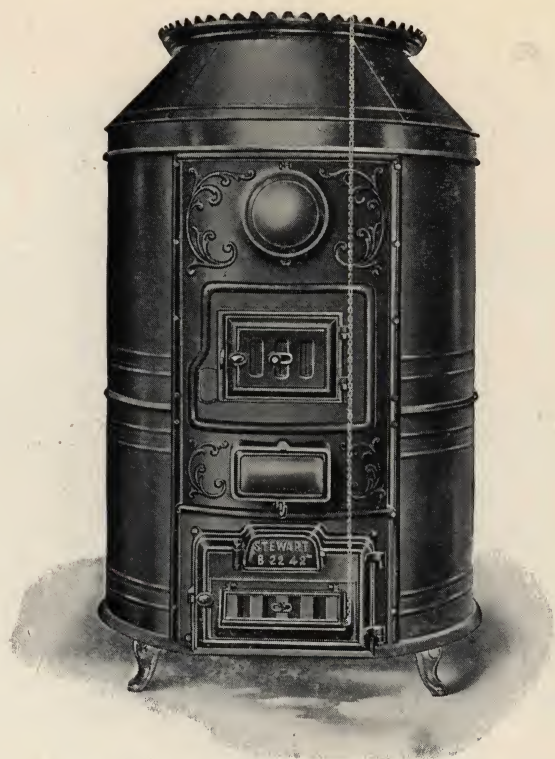
Large Feed Door

No.	Diam. of Firepot	Diam. of Casing	Height of Castings	Diam. of Smoke Pipe	Heat Pipe *Cap. Sq. In.
0 20-39	20 in.	39 in.	49 in.	7 in.	332
0 22-42	22 in.	42 in.	50 in.	8 in.	412
0 24-48	24 in.	48 in.	52 in.	8 in.	497
0 26-53	26 in.	53 in.	52 in.	9 in.	601
0 28-58	28 in.	58 in.	53 in.	9 in.	710

The "O" Series Furnace is made especially for use in low cellars; and, where there is little head room. It has an extra large feed door, in case the user desires to burn wood.

*If only one heat pipe is used, add 20 per cent. to capacity.

For heights of Furnaces cased with various styles of tops, see pages 14 and 15.



STEWART FURNACE

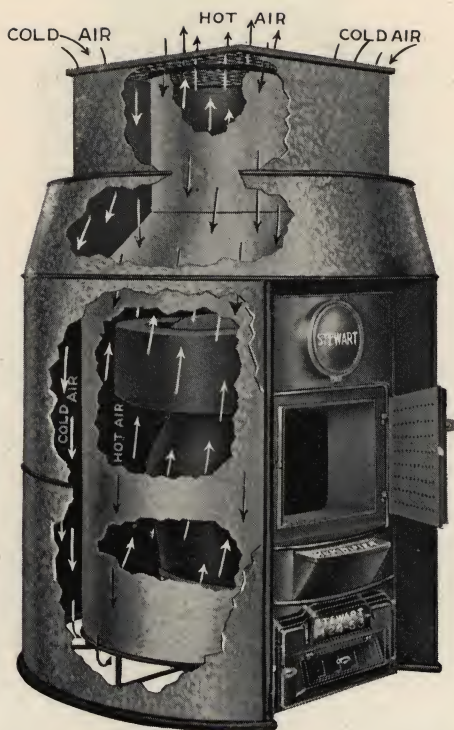
Circulating Room Heater
"B" Series

Triangular Grate

Hard or Soft Coal

No.	Diam. of Firepot	Diam. of Casing	Height of Castings	Diam. of Smoke Pipe Collar	Heat Pipe Capacity Sq. In. One Only
B 18-32	18 in.	32 in.	46 $\frac{5}{8}$ in.	7 in.	307
B 20-36	20 in.	36 in.	50 $\frac{1}{4}$ in.	7 in.	416
B 22-42	22 in.	42 in.	51 $\frac{7}{8}$ in.	8 in.	540
B 24-48	24 in.	48 in.	54 $\frac{1}{4}$ in.	8 in.	656
B 26-53	26 in.	53 in.	56 $\frac{1}{4}$ in.	8 in.	781
B 28-58	28 in.	58 in.	58 $\frac{3}{4}$ in.	10 in.	897
B 31-60	31 in.	60 in.	59 $\frac{3}{8}$ in.	10 in.	1110
B 35-65	35 in.	65 in.	61 in.	10 in.	1320

The Stewart Circulating Room Heater, which is cased with polished iron, is especially desirable for heating room in which it stands, as well as one or more rooms above. This type of heater is used largely in stores, work shops, lofts, garages, etc. It can also be furnished with galvanized iron casing, if the polished iron is not desired.



Stewart "One-Pipe" Furnace

Triangular Grate

Steel or One-Piece Cast Iron Radiator

For Coal, Wood or Natural Gas

Prefix M designates Steel Radiator

Prefix P designates Cast Iron Radiator

NUMBER OF FURNACE	M 18-42 P 18-42	M 20-45 P 20-45	M 22-48 P 22-48	M 24-53 P 24-53	M 26-58 P 26-58
Diameter of Firepot	18 in.	20 in.	22 in.	24 in.	26 in.
Diameter of Grate	16 in.	18 in.	20 in.	22 in.	24 in.
Diameter of Inside Casing	32 in.	36 in.	38 in.	42 in.	49 in.
Diameter of Outside Casing	42 in.	45 in.	48 in.	53 in.	58 in.
Diameter of Smoke Pipe	7 in.	7 in.	7 in.	8 in.	8 in.
Feed Door Opening	9x12 in.	12x12 in.	13x12 in.	13x12 in.	11x15 in.
Size of Register	9x29 in.	30x30 in.	30x36 in.	36x36 in.	40x40 in.
Diameter of Warm Air Pipe	20 in.	22 in.	24 in.	28 in.	30 in.
Capacity—Number of Rooms	4 to 6	6 to 8	8 to 10	10 to 12	12 to 14
Cubic Feet	3 to 8M	8 to 13 M	13 to 18M	18 to 25 M	25 to 35M

NOTE—For Natural Gas Attachment see page 12.

NOTE—Every "Stewart" One Pipe Furnace is shipped with Casing and pipe measuring 8 feet high and can be cut down for lower basements. Made to order for heights over 8 feet.

STEWART ONE-PIPE FURNACE

The STEWART Onepipe Furnace illustrated on opposite page, is the new type of Warm Air Heater now being installed in many homes.

An unchangeable law of Nature is that heated air **MUST** rise. THE ONEPIPE System of Heating takes full advantage of this natural property, of heated air to rise, circulate and diffuse itself—and thus heat the house.

The STEWART “ONEPIPE” is a very PRACTICAL heater, easily installed, and EASY to operate. It is made with just one large pipe and one big twopart register, and is so constructed that ALL the heat is forced up into the house, while the cold air from the room is drawn down into the outer, or cold air section of Furnace.

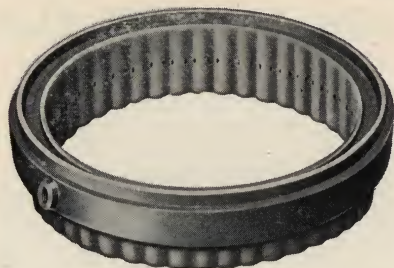
This type of Furnace is very economical in the use of fuel. It burns less fuel and gives more heat than Stoves or other Heaters, because NO HEAT IS WASTED. None is allowed to escape into the cellar. It heats the house thoroughly and does not warm the cellar.

If desired this Furnace can be supplied with the Natural Gas Ring illustrated on Page 12.

Where wood is used for Fuel, we can furnish a flat woodplate illustrated on Page 13 which gives perfect service and satisfaction.

A 6-Foot Cellar is High Enough for a STEWART “Onepipe.”

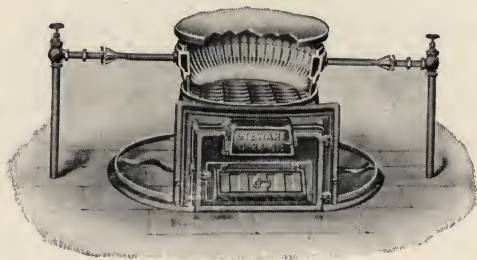
STEWART SPECIALTIES



Stewart Natural Gas Attachment

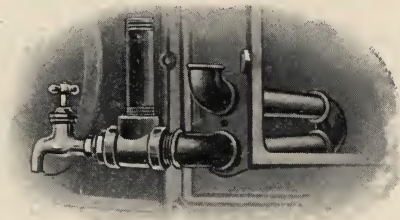
With this attachment the furnace will burn either coal or gas, or both—especially desirable where natural gas is plentiful.

May be fitted to "B" "C" "E" or "O" Series
Stewart Furnaces



The above illustration shows how the gas ring is placed in the furnace. We do not furnish piping, valves or mixers.

Hot Water—Domestic Supply

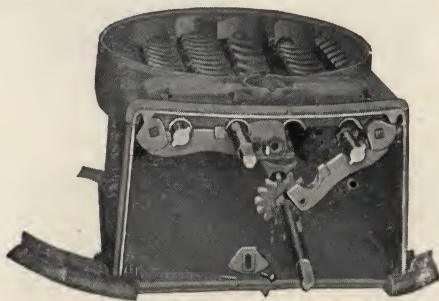


Illustrating method of applying coils to STEWART Furnaces for the purpose of heating water.

STEWART SPECIALTIES

GRATE BARS

The Grate Bars for all STEWART Furnaces are composed of four heavy bars operated in pairs. They are the famous triangular bars which, when turned, cut the ashes and clinkers from the fire without dropping the unburned fuel into the ashpit. Being triangular in shape, they have two cooling surfaces which make them very durable and insure long life.



BAR EASILY REMOVED

Note the ease with which the bars may be removed without disturbing any other fixtures. The air space in this grate is unusually large, which allows a large quantity of oxygen to combine with the products of combustion.



WOOD GRATE

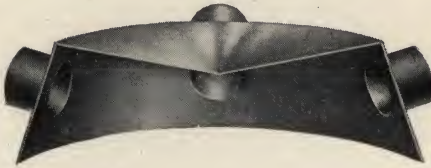
Where wood is used as fuel, we furnish a Flat Wood Plate, which great satisfaction.

CASING—TOPS

(Order by Number)



No. 1



No. 2



No. 3

We make three styles of tops for our portable casing. Number one is usually preferred when possible to use it. Numbers two and three are used when there is not enough space over furnace to use elbows.

IN ORDERING NUMBERS 2 AND 3 STATE DIAMETER OF LARGEST PIPE TO BE USED. Always order casing by number.

Height of Casing Tops. In Inches

	Diameter Fire Pot									
	18	20	22	24	26	28	30	31	35	
No. 1 Flat top	6¾	7¼	7¾	7	8¾	8½	8¾	8¾	8¾	
No. 2 for 10 in. Pipe	12½	12½	13	12¾	11¾	11¼	11¾	11¾	11¾	
No. 2 for 12 in. Pipe	14½	14¾	14½	14½	14½	14	13¾	13¾	13¾	
No. 2 for 14 in. Pipe		16¾	16½	16½	16½	16¼	16½	16½	16½	
No. 2 for 16 in. Pipe			18¾	19	19½	18¾	19	19	19	
No. 2 for 18 in. Pipe				21	21¼	20½	21¼	21¼	21¼	
No. 3 for 10 in. Pipe	11½	11½	11½	11½	11½	11½	11½	11½	11½	
No. 3 for 12 in. Pipe	13½	13½	13½	13½	13½	13½	13½	13½	13½	
No. 3 for 14 in. Pipe		15½	15½	15½	15½	15½	15½	15½	15½	
No. 3 for 16 in. Pipe			17½	17½	17½	17½	17½	17½	17½	
No. 3 for 18 in. Pipe				19½	19½	19½	19½	19½	19½	

Add for Elbows on Flat Top Cas'ng.

The tops of all elbows should be on a level, so that an equal current of air can fill all the pipes.

Heights of Furnaces Cased. In Inches

Diameter Fire Pot	18	20	22	24	26	28	30	35
Height to top of upper casing ring							31	
"A" Series	47 $\frac{1}{8}$	49 $\frac{1}{4}$	51 $\frac{1}{8}$	53	54 $\frac{1}{4}$	57 $\frac{1}{8}$	58 $\frac{3}{8}$	60 $\frac{5}{8}$
"B" and "C" Series				58 $\frac{1}{2}$	59 $\frac{1}{2}$	60 $\frac{3}{8}$	56 $\frac{1}{2}$	65 $\frac{1}{2}$
"O" Series		49	50 $\frac{1}{8}$	52	53 $\frac{1}{8}$	54 $\frac{1}{2}$		

We would be pleased to supply, upon request, Booklet giving Formula and Rules for installation of Warm Air Furnaces.

This Booklet is issued by the National Warm Air Heating & Ventilating Association; and covers the complete installation of Warm Air Furnaces.

A Few Extracts From Recent Letters About Stewart Furnaces

WHAT HOUSEHOLDERS SAY:

- "At no time have we had cause to complain."
- "Was surprised at the economical fuel bills."
- "Been in use seven years and no repairs."
- "Unusually economical in the amount of fuel."
- "Is easily managed and economical on fuel."
- "Is giving most excellent service."
- "It is well built, easily managed and economical,
and has great heating capacity."
- "Superior to any furnace I have used."
- "Needs attention twice in 24 hours."
- "Installed nine years ago.....have had no repairs.
Is today as good as new."
- "It is easy to care for, requires little coal.....
burn without clinkers."

WHAT A DEALER SAYS:

- "Have used over 60 of your furnaces. I take pleasure in recommending them, as I have not found one person dissatisfied."

WHAT A REAL ESTATE MAN SAYS:

- "We have used about 100 STEWART FURNACES and have found them to be the most satisfactory of any furnace with which we have had any experience."

WHAT A BUILDER SAYS:

- "I have used 44 of your furnaces in different dwellings I have built. They have in all cases given the greatest satisfaction."



STEWARTTM

TRADE MARK

WARM AIR FURNACES

For Sale by

Price of \$100.00 W. J. E. Co.